

Table 2  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	MECT	MECT	MECT	SJ4C	SJ4C	SJ4C
				Sample ID	MECT-081015-10	MECT-081115-10	MECT-081215-10	SJ4C-081015-10	SJ4C-081115-10	SJ4C-081215-10
				Date	8/10/2015	8/11/2015	8/12/2015	8/10/2015	8/11/2015	8/12/2015
				Time	14:15	13:45	13:45	15:05	9:52	14:35
				Latitude	37.21846	37.21846	37.21846	36.99622	36.99622	36.99622
				Longitude	-109.19081	-109.19081	-109.19081	-109.00468	-109.00468	-109.00468
Metals, Total										
Aluminum, Total	7429-90-5	mg/Kg	3,300,000	--	3100	1200	1200 B	5700	5400	6100 B
Antimony, Total	7440-36-0	mg/Kg	1,300	--	< 0.12 UJ	< 0.11 UJ	< 0.11 UJ	< 0.13 UJ	< 0.12 UJ	< 0.13 UJ
Arsenic, Total	7440-38-2	mg/Kg	4,200	--	2.2 J	1.1	1.1	3.3	2.7	3.1
Barium, Total	7440-39-3	mg/Kg	670,000	--	240	140	97 J	240	190	160 J
Beryllium, Total	7440-41-7	mg/Kg	6,700	--	0.23 J	0.078	0.092	0.47	0.39	0.41
Cadmium, Total	7440-43-9	mg/Kg	1,700	--	0.1	0.025 J	0.027 J	0.077	0.065	0.095
Calcium, Total	7440-70-2	mg/Kg		--	19000	11000 B	10000	10000	11000 B	10000
Chromium, Total	7440-47-3	mg/Kg	4,300,000	--	2.7	0.9 J	< 0.13 U	6.4	5	4.8 B
Cobalt, Total	7440-48-4	mg/Kg	1,000	--	1.8 J	0.64	0.75	4.1	3.4	4.1
Copper, Total	7440-50-8	mg/Kg	130,000	--	3.2 J	1.4 J+	1.4 J	7.6 B	6.4 B	7 J
Iron, Total	7439-89-6	mg/Kg	2,300,000	--	5500	2300	2600	8900	8200	8700
Lead, Total	7439-92-1	mg/Kg	20,000	--	4.3 J	1.9	2.1 J	7.7	6.3	8.8 J
Magnesium, Total	7439-95-4	mg/Kg		--	2700	830 J-	780	2900	3000 J-	2500
Manganese, Total	7439-96-5	mg/Kg	160,000	--	200 J-	150	140 J-	230	190	250 J-
Mercury, Total	7439-97-6	mg/Kg	1,000	--	< 0.0092 U	< 0.0085 U	< 0.0086 U	< 0.01 U	< 0.0092 U	< 0.01 U F1
Molybdenum, Total	7439-98-7	mg/Kg	17,000	--	0.32 J	0.12 J	0.14 J	0.41 J	0.42 J	0.42 J
Nickel, Total	7440-02-0	mg/Kg	67,000	--	3.7	1 J	1 J	6.6	5.7	5.7
Potassium, Total	7440-09-7	mg/Kg		--	950	380	420	1200	1200	1200
Selenium, Total	7782-49-2	mg/Kg	17,000	--	0.18 J	< 0.11 U	< 0.11 U	0.18 J	0.15 J	0.2 J
Silver, Total	7440-22-4	mg/Kg		--	0.014 J	< 0.011 U	< 0.011 U	0.033 J	0.021 J	0.024 J
Sodium, Total	7440-23-5	mg/Kg		--	100 J	51 J	< 55 U	220 J	250	500
Thallium, Total	7440-28-0	mg/Kg	33	--	0.067 J	< 0.053 U	< 0.057 U	0.089 J	0.08 J	0.088 J
Vanadium, Total	7440-62-2	mg/Kg	17,000	--	8.2 J-	3.7 J-	4	16 J-	12 J-	12
Zinc, Total	7440-66-6	mg/Kg	1,000,000	--	15 J-	4.6 J-	4.7 J	27 J-	23 J-	37 J

Bold - Bolded results identify a detected value.

Highlighted, detected analyte that exceeds RBC

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJBB	SJBB	SJBB	SJDS	SJDS	SJDS
				Sample ID	SJBB-081015-10	SJBB-081115-10	SJBB-081215-10	SJDS-081015-10	SJDS-081115-10	SJDS-081215-10
				Date	8/10/2015	8/11/2015	8/12/2015	8/10/2015	8/11/2015	8/12/2015
				Time	12:40	11:40	11:45	13:25	11:40	11:50
				Latitude	37.25737	37.25737	37.25737	36.89331	36.89331	36.89331
Longitude	-109.61859	-109.61859	-109.61859	-108.87864	-108.87864	-108.87864				
Metals, Total										
Aluminum, Total	7429-90-5	mg/Kg	3,300,000	--	3700	3000	5300 B	7100	5600	7900 B
Antimony, Total	7440-36-0	mg/Kg	1,300	--	< 0.11 U	< 0.11 UJ	< 0.12 UJ	0.14 J	< 0.12 UJ	0.15 J-
Arsenic, Total	7440-38-2	mg/Kg	4,200	--	2.1 J	2	2.6	4.1 J	3.2	4.4
Barium, Total	7440-39-3	mg/Kg	670,000	--	110	170	190 J	200	260	210 J
Beryllium, Total	7440-41-7	mg/Kg	6,700	--	0.27 J	0.22	0.37	0.51 J	0.43	0.57
Cadmium, Total	7440-43-9	mg/Kg	1,700	--	0.058	0.052 J	0.084	0.26	0.13	0.25
Calcium, Total	7440-70-2	mg/Kg		--	9500	8100 B	13000	22000	5700 B	19000
Chromium, Total	7440-47-3	mg/Kg	4,300,000	--	3.1	2.9	4.9 B	8.4	5.8	8.4 B
Cobalt, Total	7440-48-4	mg/Kg	1,000	--	2.5 J	2.1	3.5	4.4 J	3.9	5.3
Copper, Total	7440-50-8	mg/Kg	130,000	--	4.9 J	4 B	6.1 J	10 J	7.6 B	12 J
Iron, Total	7439-89-6	mg/Kg	2,300,000	--	5400	5000	7800	11000	9000	12000
Lead, Total	7439-92-1	mg/Kg	20,000	--	5.9 J	4.8	6.8 J	10 J	8.9	11 J
Magnesium, Total	7439-95-4	mg/Kg		--	1600	1400 J-	2900	6100	1800 J-	5300
Manganese, Total	7439-96-5	mg/Kg	160,000	--	210 J-	160	230 J-	240 J-	220	270 J-
Mercury, Total	7439-97-6	mg/Kg	1,000	--	< 0.0093 U	< 0.0086 U	< 0.0094 U	0.037	< 0.0095 U	< 0.011 U
Molybdenum, Total	7439-98-7	mg/Kg	17,000	--	0.27 J	0.25 J	0.34 J	1 J	0.52 J	0.91 J
Nickel, Total	7440-02-0	mg/Kg	67,000	--	3.6	3.1	5.1	9.6	5.5	10
Potassium, Total	7440-09-7	mg/Kg		--	860	730	1200	1600	1000	1700
Selenium, Total	7782-49-2	mg/Kg	17,000	--	0.12 J	< 0.11 U	0.16 J	0.61 J	0.19 J	0.58 J
Silver, Total	7440-22-4	mg/Kg		--	0.017 J	0.015 J	0.022 J	0.059 J	0.032 J	0.067 J
Sodium, Total	7440-23-5	mg/Kg		--	200 J	240	260	240 J	310	260 J
Thallium, Total	7440-28-0	mg/Kg	33	--	0.057 J	< 0.056 U	0.076 J	0.17	0.095 J	0.19
Vanadium, Total	7440-62-2	mg/Kg	17,000	--	8.3 J-	8.3 J-	11	20 J-	14 J-	20
Zinc, Total	7440-66-6	mg/Kg	1,000,000	--	22 J-	18 J-	26 J	51 J-	41 J-	50 J

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Table 2  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJFP	SJFP	SJFP	SJFP	SJHB	SJHB
				Sample ID	SJFP-081015-10	SJFP-081115-10	SJFP-081215-09	SJFP-081215-10	SJHB-081015-09	SJHB-081015-10
				Date	8/10/2015	8/11/2015	8/12/2015	8/12/2015	8/10/2015	8/10/2015
				Time	10:35	13:45	9:45	9:30	11:25	11:25
				Latitude	36.74816	36.74816	36.74816	36.74816	36.74519	36.74519
Longitude	-108.41202	-108.41202	-108.41202	-108.41202	-108.53776	-108.53776				
Metals, Total										
Aluminum, Total	7429-90-5	mg/Kg	3,300,000	--	3200	6500	3800 B	3900 B	4100 J	2000 J
Antimony, Total	7440-36-0	mg/Kg	1,300	--	< 0.11 UJ	0.13 J	< 0.13 UJ	< 0.13 UJ	< 0.11 UJ	< 0.11 UJ
Arsenic, Total	7440-38-2	mg/Kg	4,200	--	3.6 J	3.6	2.8	2.6	2.3 J	1.9 J
Barium, Total	7440-39-3	mg/Kg	670,000	--	200	250	210 J	210 J	220	160
Beryllium, Total	7440-41-7	mg/Kg	6,700	--	0.29 J	0.53	0.33	0.32	0.29 J	0.17 J
Cadmium, Total	7440-43-9	mg/Kg	1,700	--	0.042 J	0.065	0.051 J	0.053 J	0.064	0.041 J
Calcium, Total	7440-70-2	mg/Kg		--	3200	5200 B	3500	4300	7900 J	2400 J
Chromium, Total	7440-47-3	mg/Kg	4,300,000	--	3.4	7.1	3.9 B	3.7 B	3.8 J	2 J
Cobalt, Total	7440-48-4	mg/Kg	1,000	--	2.8 J	5	3.1	3	2.7 J	1.8 J
Copper, Total	7440-50-8	mg/Kg	130,000	--	4.4 J	9.2 B	5 J	5.1 J	4.6 J	4.4 J
Iron, Total	7439-89-6	mg/Kg	2,300,000	--	6100	10000	6700	6600	6900	4500
Lead, Total	7439-92-1	mg/Kg	20,000	--	5.4 J	7.6	5.9 J	6.3 J	5.9 J	8.4 J
Magnesium, Total	7439-95-4	mg/Kg		--	920	1900 J-	1100	1100	1700 J	620 J
Manganese, Total	7439-96-5	mg/Kg	160,000	--	190 J-	240	190 J-	250 J-	200 J-	180 J-
Mercury, Total	7439-97-6	mg/Kg	1,000	--	< 0.0091 U	< 0.0093 U	< 0.0097 U	< 0.01 U	< 0.0092 U	< 0.0086 U
Molybdenum, Total	7439-98-7	mg/Kg	17,000	--	0.33 J	0.48 J	0.39 J	0.36 J	0.37 J	0.34 J
Nickel, Total	7440-02-0	mg/Kg	67,000	--	3.8	7.3	4	3.8	3.8	4.4
Potassium, Total	7440-09-7	mg/Kg		--	610	1200	740	750	870 J	390 J
Selenium, Total	7782-49-2	mg/Kg	17,000	--	0.13 J	0.2 J	0.14 J	0.15 J	0.13 J	0.11 J
Silver, Total	7440-22-4	mg/Kg		--	0.017 J	0.025 J	0.017 J	0.03 J	0.019 J	0.023 J
Sodium, Total	7440-23-5	mg/Kg		--	130 J	200 J	140 J	140 J	240	67 J
Thallium, Total	7440-28-0	mg/Kg	33	--	0.075 J	0.17	< 0.063 U	0.067 J	0.058 J	< 0.057 U
Vanadium, Total	7440-62-2	mg/Kg	17,000	--	10 J-	18 J-	11	11	11 J-	6.9 J-
Zinc, Total	7440-66-6	mg/Kg	1,000,000	--	23 J-	28 J-	22 J	24 J	23 J-	37 J-

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Table 2  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJHB	SJHB	SJLP	SJLP	SJLP	SJMC
				Sample ID	SJHB-081115-10	SJHB-081215-10	SJLP-081015-10	SJLP-081115-10	SJLP-081215-10	SJMC-081015-10
				Date	8/11/2015	8/12/2015	8/10/2015	8/11/2015	8/12/2015	8/10/2015
				Time	13:05	15:30	9:40	14:25	9:05	13:35
				Latitude	36.74519	36.74519	36.73589	36.73589	36.73589	37.25823
				Longitude	-108.53776	-108.53776	-108.25399	-108.25399	-108.25399	-109.31060
<b>Metals, Total</b>										
Aluminum, Total	7429-90-5	mg/Kg	3,300,000	--	<b>4100</b>	<b>2600 B</b>	<b>2800</b>	<b>2400</b>	<b>2300 B</b>	<b>5200</b>
Antimony, Total	7440-36-0	mg/Kg	1,300	--	< 0.12 UJ	< 0.11 UJ	<b>0.21 J</b>	< 0.11 UJ	< 0.11 UJ	< 0.12 UJ
Arsenic, Total	7440-38-2	mg/Kg	4,200	--	<b>2.5</b>	<b>2.3</b>	<b>3.8 J</b>	<b>2.7</b>	<b>2.2</b>	<b>2.9 J</b>
Barium, Total	7440-39-3	mg/Kg	670,000	--	<b>180</b>	<b>130 J</b>	<b>610</b>	<b>370</b>	<b>120 J</b>	<b>240</b>
Beryllium, Total	7440-41-7	mg/Kg	6,700	--	<b>0.34</b>	<b>0.23</b>	<b>0.26 J</b>	<b>0.21</b>	<b>0.22</b>	<b>0.38 J</b>
Cadmium, Total	7440-43-9	mg/Kg	1,700	--	<b>0.038 J</b>	<b>0.048 J</b>	<b>0.11</b>	<b>0.04 J</b>	<b>0.045 J</b>	<b>0.061</b>
Calcium, Total	7440-70-2	mg/Kg		--	<b>3800 B</b>	<b>2600</b>	<b>2900</b>	<b>2700 B</b>	<b>2700</b>	<b>12000</b>
Chromium, Total	7440-47-3	mg/Kg	4,300,000	--	<b>3.9</b>	<b>2.4 B</b>	<b>4.6</b>	<b>3.5</b>	<b>2.3 B</b>	<b>5.4</b>
Cobalt, Total	7440-48-4	mg/Kg	1,000	--	<b>2.8</b>	<b>2.5</b>	<b>2.8 J</b>	<b>2.1</b>	<b>2.3</b>	<b>3.4 J</b>
Copper, Total	7440-50-8	mg/Kg	130,000	--	<b>5.4 B</b>	<b>3.5 J</b>	<b>8.3 J</b>	<b>4.2 B</b>	<b>3.3 J</b>	<b>6.4 J</b>
Iron, Total	7439-89-6	mg/Kg	2,300,000	--	<b>6700</b>	<b>4700</b>	<b>9600</b>	<b>6300</b>	<b>4300</b>	<b>8500</b>
Lead, Total	7439-92-1	mg/Kg	20,000	--	<b>5</b>	<b>6.6 J</b>	<b>22 J</b>	<b>8</b>	<b>6.4 J</b>	<b>6.6 J</b>
Magnesium, Total	7439-95-4	mg/Kg		--	<b>1200 J-</b>	<b>740</b>	<b>850</b>	<b>730 J-</b>	<b>690</b>	<b>3200</b>
Manganese, Total	7439-96-5	mg/Kg	160,000	--	<b>170</b>	<b>200 J-</b>	<b>290 J-</b>	<b>170</b>	<b>210 J-</b>	<b>210 J-</b>
Mercury, Total	7439-97-6	mg/Kg	1,000	--	< 0.0093 U	< 0.0085 U	< 0.0093 U	< 0.0092 U	< 0.0098 U	< 0.0098 U
Molybdenum, Total	7439-98-7	mg/Kg	17,000	--	<b>0.36 J</b>	<b>0.33 J</b>	<b>0.63 J</b>	<b>0.42 J</b>	<b>0.32 J</b>	<b>0.38 J</b>
Nickel, Total	7440-02-0	mg/Kg	67,000	--	<b>4.5</b>	<b>2.7</b>	<b>3.3</b>	<b>3</b>	<b>2.7</b>	<b>5.4</b>
Potassium, Total	7440-09-7	mg/Kg		--	<b>800</b>	<b>490</b>	<b>520</b>	<b>470</b>	<b>450</b>	<b>1100</b>
Selenium, Total	7782-49-2	mg/Kg	17,000	--	<b>0.12 J</b>	<b>0.12 J</b>	<b>0.23 J</b>	<b>0.16 J</b>	< 0.11 U	<b>0.16 J</b>
Silver, Total	7440-22-4	mg/Kg		--	<b>0.016 J</b>	<b>0.013 J</b>	<b>0.039 J</b>	<b>0.013 J</b>	<b>0.016 J</b>	<b>0.034 J</b>
Sodium, Total	7440-23-5	mg/Kg		--	<b>160 J</b>	<b>100 J</b>	< 57 U	<b>56 J</b>	<b>80 J</b>	<b>190 J</b>
Thallium, Total	7440-28-0	mg/Kg	33	--	<b>0.075 J</b>	<b>0.063 J</b>	<b>0.11 J</b>	< 0.053 U	< 0.057 U	<b>0.069 J</b>
Vanadium, Total	7440-62-2	mg/Kg	17,000	--	<b>11 J-</b>	<b>7.7</b>	<b>19 J-</b>	<b>11 J-</b>	<b>6.9</b>	<b>13 J-</b>
Zinc, Total	7440-66-6	mg/Kg	1,000,000	--	<b>19 J-</b>	<b>28 J</b>	<b>76 J-</b>	<b>23 J-</b>	<b>25 J</b>	<b>23 J-</b>

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Table 2  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJMC	SJMC	SJMC	SJME	SJME	SJME
				Sample ID	SJMC-081115-10	SJMC-081215-09	SJMC-081215-10	SJME-081015-10	SJME-081115-09	SJME-081115-10
				Date	8/11/2015	8/12/2015	8/12/2015	8/10/2015	8/11/2015	8/11/2015
				Time	12:20	12:35	12:30	14:40	13:35	13:30
				Latitude	37.25823	37.25823	37.25823	37.21681	37.21681	37.21681
				Longitude	-109.31060	-109.31060	-109.31060	-109.19615	-109.19615	-109.19615
Metals, Total										
Aluminum, Total	7429-90-5	mg/Kg	3,300,000	--	4700	7500 B	7900 B	4000	3500	3800
Antimony, Total	7440-36-0	mg/Kg	1,300	--	< 0.11 UJ	< 0.13 UJ	< 0.13 UJ	< 0.11 UJ	< 0.11 UJ	< 0.12 UJ
Arsenic, Total	7440-38-2	mg/Kg	4,200	--	2.8	3.4	3.6	2.5 J	2.5	2.4
Barium, Total	7440-39-3	mg/Kg	670,000	--	200	200 J	210 J	230	200	210
Beryllium, Total	7440-41-7	mg/Kg	6,700	--	0.36	0.48	0.51	0.31 J	0.32	0.29
Cadmium, Total	7440-43-9	mg/Kg	1,700	--	0.069	0.087	0.12	0.059	0.048 J	0.061
Calcium, Total	7440-70-2	mg/Kg		--	9100 B	26000	28000	7400	3400 B	7600 J
Chromium, Total	7440-47-3	mg/Kg	4,300,000	--	4.5	7.1 B	7.7 B	4	3.8	3.7
Cobalt, Total	7440-48-4	mg/Kg	1,000	--	3.3	4.6	4.8	2.9 J	2.8	2.8
Copper, Total	7440-50-8	mg/Kg	130,000	--	6 B	7.7 J	8.1 J	4.9 J	4.8 B	5.3 B
Iron, Total	7439-89-6	mg/Kg	2,300,000	--	7200	9700	10000	6800	5900	6500
Lead, Total	7439-92-1	mg/Kg	20,000	--	6.7	8.2 J	8.5 J	6.3 J	5.1	6.3
Magnesium, Total	7439-95-4	mg/Kg		--	2000 J-	5600	6000	1600	1000 J-	1700 J-
Manganese, Total	7439-96-5	mg/Kg	160,000	--	230	290 J-	310 J-	210 J-	170	200
Mercury, Total	7439-97-6	mg/Kg	1,000	--	< 0.0093 U	< 0.0096 U	< 0.01 U	< 0.0083 U	< 0.01 U	< 0.0099 U
Molybdenum, Total	7439-98-7	mg/Kg	17,000	--	0.4 J	0.46 J	0.5 J	0.31 J	0.33 J	0.33 J
Nickel, Total	7440-02-0	mg/Kg	67,000	--	4.9	8	8.4	3.9	3.8	4.1
Potassium, Total	7440-09-7	mg/Kg		--	960	1900	2100	860	690	820
Selenium, Total	7782-49-2	mg/Kg	17,000	--	0.16 J	0.22 J	0.23 J	0.13 J	0.14 J	0.13 J
Silver, Total	7440-22-4	mg/Kg		--	0.022 J	0.039 J	0.033 J	0.017 J	0.016 J	0.023 J
Sodium, Total	7440-23-5	mg/Kg		--	210	420	460	200 J	110 J	190 J
Thallium, Total	7440-28-0	mg/Kg	33	--	0.12	0.11 J	0.12 J	0.059 J	0.072 J	0.073 J
Vanadium, Total	7440-62-2	mg/Kg	17,000	--	12 J-	15	16	12 J-	11 J-	11 J-
Zinc, Total	7440-66-6	mg/Kg	1,000,000	--	26 J-	28 J	30 J	24 J-	19 J-	23 J-

Bold - Bolded results identify a detected value.

Highlighted, detected analyte that exceeds RBC

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJME	SJMH	SJMH	SJMH	SJSR	SJSR
				Sample ID	SJME-081215-10	SJMH-081015-10	SJMH-081115-10	SJMH-081215-10	SJSR-081015-10	SJSR-081115-10
				Date	8/12/2015	8/10/2015	8/11/2015	8/12/2015	8/10/2015	8/11/2015
				Time	13:20	11:35	10:35	10:35	12:10	12:35
				Latitude	37.21681	37.14999	37.14999	37.14999	36.78162	36.78162
				Longitude	-109.19615	-109.86628	-109.86628	-109.86628	-108.69278	-108.69278
<b>Metals, Total</b>										
Aluminum, Total	7429-90-5	mg/Kg	3,300,000	--	<b>4200 B</b>	<b>3600</b>	<b>2100</b>	<b>930 B</b>	<b>3000</b>	<b>1800</b>
Antimony, Total	7440-36-0	mg/Kg	1,300	--	< 0.12 UJ	< 0.11 UJ	< 0.11 UJ	< 0.12 UJ	< 0.1 UJ	< 0.11 UJ
Arsenic, Total	7440-38-2	mg/Kg	4,200	--	<b>2.8</b>	<b>2 J</b>	<b>1.9</b>	<b>0.7</b>	<b>2.3 J</b>	<b>3.6</b>
Barium, Total	7440-39-3	mg/Kg	670,000	--	<b>160 J</b>	<b>240</b>	<b>500</b>	<b>39 J</b>	<b>140</b>	<b>220</b>
Beryllium, Total	7440-41-7	mg/Kg	6,700	--	<b>0.33</b>	<b>0.27 J</b>	<b>0.16</b>	<b>0.083</b>	<b>0.24 J</b>	<b>0.16</b>
Cadmium, Total	7440-43-9	mg/Kg	1,700	--	<b>0.061</b>	<b>0.062</b>	<b>0.039 J</b>	<b>0.023 J</b>	<b>0.04 J</b>	<b>0.046 J</b>
Calcium, Total	7440-70-2	mg/Kg		--	<b>10000</b>	<b>12000</b>	<b>9500 B</b>	<b>16000</b>	<b>2700</b>	<b>1800 B</b>
Chromium, Total	7440-47-3	mg/Kg	4,300,000	--	<b>4.6 B</b>	<b>4</b>	<b>4</b>	<b>1.7 B</b>	<b>2.6</b>	<b>1.9</b>
Cobalt, Total	7440-48-4	mg/Kg	1,000	--	<b>3.5</b>	<b>2.4 J</b>	<b>1.8</b>	<b>0.74</b>	<b>2.5 J</b>	<b>2.1</b>
Copper, Total	7440-50-8	mg/Kg	130,000	--	<b>6.1 J</b>	<b>4.2 J</b>	<b>2.7 B</b>	<b>0.67 J</b>	<b>3.6 J</b>	<b>24 B</b>
Iron, Total	7439-89-6	mg/Kg	2,300,000	--	<b>7100</b>	<b>5800</b>	<b>7400</b>	<b>1900</b>	<b>5300</b>	<b>5700</b>
Lead, Total	7439-92-1	mg/Kg	20,000	--	<b>6.1 J</b>	<b>5.1 J</b>	<b>4.7</b>	<b>1.4 J</b>	<b>6.1 J</b>	<b>16</b>
Magnesium, Total	7439-95-4	mg/Kg		--	<b>2400</b>	<b>2200</b>	<b>1600 J-</b>	<b>2400</b>	<b>850</b>	<b>570 J-</b>
Manganese, Total	7439-96-5	mg/Kg	160,000	--	<b>210 J-</b>	<b>180 J-</b>	<b>130</b>	<b>77 J-</b>	<b>210 J-</b>	<b>240</b>
Mercury, Total	7439-97-6	mg/Kg	1,000	--	< 0.0095 U	< 0.0087 U	< 0.0087 U	< 0.01 U	< 0.0089 U	< 0.0097 U
Molybdenum, Total	7439-98-7	mg/Kg	17,000	--	<b>0.34 J</b>	<b>0.26 J</b>	<b>0.23 J</b>	< 0.095 U	<b>0.27 J</b>	<b>0.46 J</b>
Nickel, Total	7440-02-0	mg/Kg	67,000	--	<b>5.4</b>	<b>3.8</b>	<b>2.9</b>	<b>1.7</b>	<b>3</b>	<b>2.4</b>
Potassium, Total	7440-09-7	mg/Kg		--	<b>930</b>	<b>930</b>	<b>580</b>	<b>310</b>	<b>550</b>	<b>320</b>
Selenium, Total	7782-49-2	mg/Kg	17,000	--	<b>0.14 J</b>	<b>0.13 J</b>	<b>0.11 J</b>	< 0.12 U	<b>0.11 J</b>	< 0.11 U
Silver, Total	7440-22-4	mg/Kg		--	<b>0.019 J</b>	<b>0.015 J</b>	< 0.011 U	< 0.012 U	<b>0.013 J</b>	<b>0.054 J</b>
Sodium, Total	7440-23-5	mg/Kg		--	<b>240</b>	<b>160 J</b>	<b>81 J</b>	< 57 U	<b>170 J</b>	<b>100 J</b>
Thallium, Total	7440-28-0	mg/Kg	33	--	<b>0.075 J</b>	<b>0.1 J</b>	< 0.053 U	< 0.059 U	< 0.051 U	< 0.056 U
Vanadium, Total	7440-62-2	mg/Kg	17,000	--	<b>12</b>	<b>10 J-</b>	<b>15 J-</b>	<b>3.5</b>	<b>7.9 J-</b>	<b>8.7 J-</b>
Zinc, Total	7440-66-6	mg/Kg	1,000,000	--	<b>22 J</b>	<b>17 J-</b>	<b>13 J-</b>	<b>3.7 J</b>	<b>26 J-</b>	<b>39 J-</b>

Bold - Bolded results identify a detected value.

Highlighted, detected analyte that exceeds RBC

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l

Table 2  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	RBC	Location	SJSR
				Sample ID	SJSR-081215-10
				Date	8/12/2015
				Time	10:35
				Latitude	36.78162
Longitude	-108.69278				
Metals, Total					
Aluminum, Total	7429-90-5	mg/Kg	3,300,000	--	2900 B
Antimony, Total	7440-36-0	mg/Kg	1,300	--	< 0.12 UJ
Arsenic, Total	7440-38-2	mg/Kg	4,200	--	2.8
Barium, Total	7440-39-3	mg/Kg	670,000	--	220 J
Beryllium, Total	7440-41-7	mg/Kg	6,700	--	0.27
Cadmium, Total	7440-43-9	mg/Kg	1,700	--	0.051 J
Calcium, Total	7440-70-2	mg/Kg		--	3000
Chromium, Total	7440-47-3	mg/Kg	4,300,000	--	3.3 B
Cobalt, Total	7440-48-4	mg/Kg	1,000	--	2.8
Copper, Total	7440-50-8	mg/Kg	130,000	--	5.4 J
Iron, Total	7439-89-6	mg/Kg	2,300,000	--	6100
Lead, Total	7439-92-1	mg/Kg	20,000	--	8.4 J
Magnesium, Total	7439-95-4	mg/Kg		--	890
Manganese, Total	7439-96-5	mg/Kg	160,000	--	230 J-
Mercury, Total	7439-97-6	mg/Kg	1,000	--	< 0.0087 U
Molybdenum, Total	7439-98-7	mg/Kg	17,000	--	0.4 J
Nickel, Total	7440-02-0	mg/Kg	67,000	--	3.5
Potassium, Total	7440-09-7	mg/Kg		--	560
Selenium, Total	7782-49-2	mg/Kg	17,000	--	0.34 J
Silver, Total	7440-22-4	mg/Kg		--	0.029 J
Sodium, Total	7440-23-5	mg/Kg		--	99 J
Thallium, Total	7440-28-0	mg/Kg	33	--	< 0.06 U
Vanadium, Total	7440-62-2	mg/Kg	17,000	--	11
Zinc, Total	7440-66-6	mg/Kg	1,000,000	--	34 J

Bold - Bolded results identify a detected value.

**Highlighted, detected analyte that exceeds RBC**

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PQL - Practical Quantitation Limit, also known as reporting limit.

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D - Diluted value qualifier.

mg/kg - Parts per million (milligrams per kilogram). Liquids equivalent = mg/l.

ug/kg - Parts per billion (micrograms per kilogram). liquids equivalent = ug/l



Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL	Drinking Water MCL	RBC Recreational Visitor	Aquatic Acute	Aquatic Chronic	Irrigation	Livestock	Location	MECT	MECT	MECT	MECT	SJ4C	SJ4C
										Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11	MECT-081215-11	SJ4C-080915-11	SJ4C-081015-11
										Date	8/9/2015	8/10/2015	8/11/2015	8/12/2015	8/9/2015	8/10/2015
										Time	17:05	14:15	13:45	13:45	15:20	15:05
										Latitude	37.21846	37.21846	37.21846	37.21846	36.99622	36.99622
										Longitude	-109.19081	-109.19081	-109.19081	-109.19081	-109.00468	-109.00468
<b>Metals, Dissolved</b>																
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000	--	62 J	< 24 U	< 24 U	< 24 U	86 J	< 24 U	28 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67				--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.3	1.3	0.83 J	0.51 J	0.56 J	1
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000				--	85	85	68	80	76	68	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L							--	160000	170000	48000	170000	55000	48000	
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.5	0.45	0.75	0.52	< 0.12 U	1.3
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	2.6	3 J+	1.9	4.1	1.7	2.4 J+
Iron, Dissolved	7439-89-6	ug/L	120000		120,000				--	17 J	< 17 U	< 17 U	< 17 U	28 J	< 17 U	68
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.072 J	< 0.06 U	0.14 J	0.13 J	< 0.06 U	0.077 J
Magnesium, Dissolved	7439-95-4	ug/L							--	68000	71000	5400	75000	6800	5700	
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200	--	4.2	1.8 J	2.2 J	7.2	4.3	3.1	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830				--	3	3.1 J-	1.7 J	3.3	1.9	1.9 J-	
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	3.4	3.8	1	4	1	1.2
Potassium, Dissolved	7440-09-7	ug/L							--	5400	5500	2800	5600	2800	3000	
Potassium, Dissolved	9/7/7440	ug/L							--							
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.3 J	< 0.58 U	1.4 J	1.2 J	1 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9			--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L							--	67000	70000	28000	70000	24000	34000	
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	2.5	2.6	1.6	2.8	1	1.6
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U	4.1 J	< 2.8 U	< 2.8 U
<b>Metals, Total</b>																
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000	--	8600	9800	3000	8400	33000	82000	
Antimony, Total	7440-36-0	ug/L	6	6	67				--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ	0.4 J	< 0.4 UJ	
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	4.1	4.5	2.8	3.1	13	16
Barium, Total	7440-39-3	ug/L	2000	2000	33,000				--	180	180	290	150	540	810	
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	0.53	0.53	1.9	0.41	2	4.5
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.13	0.1	0.18	0.096 J	0.11 J	0.32
Calcium, Total	7440-70-2	ug/L							--	190000	190000	77000	190000	87000	84000	
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	5.9	7.5	< 1 U	6.3	18	44
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	3.6	3.4	7.6	3	14	31
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	9.6	9.5 B	15	10	62	74 B
Iron, Total	7439-89-6	ug/L	120000		120,000				--	7600	7400	1400	6500	35000	70000	
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	7.9	7	11	6.1	180	71
Magnesium, Total	7439-95-4	ug/L							--	73000	77000	8300	77000	17000	23000	
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200	--	360	310	700	270	740	1400	



Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--
Molybdenum, Total	7439-98-7	ug/L	830		830					--	Molybdenum, Total	7439-98-7	ug/L	830		830					--
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--
Potassium, Total	7440-09-7	ug/L								--	Potassium, Total	7440-09-7	ug/L								--
Potassium, Total	9/7/7440	ug/L								--	Potassium, Total	9/7/7440	ug/L								--
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	Silver, Total	7440-22-4	ug/L	9.9			9.9				--
Sodium, Total	7440-23-5	ug/L								--	Sodium, Total	7440-23-5	ug/L								--
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	Thallium, Total	7440-28-0	ug/L	1.7	2	2					--
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--
<b>General</b>											<b>General</b>										
Alkalinity	STL00171	mg/L								--	Alkalinity	STL00171	mg/L								--
pH	STL00204	SU								--	pH	STL00204	SU								--
Total Dissolved Solids	STL00242	mg/L								--	Total Dissolved Solids	STL00242	mg/L								--
Total Hardness	STL00009	mg/L								--	Total Hardness	STL00009	mg/L								--
Total Suspended Solids	STL00161	mg/L								--	Total Suspended Solids	STL00161	mg/L								--

**Bold - Bolded results identify a detected value.**

**Highlighted, detected analyte that exceeds the minimum of the screening Level**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL				RBC Recreational Visitor	Location	MECT	MECT	MECT	MECT	SJ4C	SJ4C
										Sample ID	MECT-080915-11	MECT-081015-11	MECT-081115-11	MECT-081215-11	SJ4C-080915-11	SJ4C-081015-11
										Date	8/9/2015	8/10/2015	8/11/2015	8/12/2015	8/9/2015	8/10/2015
										Time	17:05	14:15	13:45	13:45	15:20	15:05
										Latitude	37.21846	37.21846	37.21846	37.21846	36.99622	36.99622
										Longitude	-109.19081	-109.19081	-109.19081	-109.19081	-109.00468	-109.00468
<b>Metals, Dissolved</b>																
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	62 J	< 24 U	< 24 U	86 J	< 24 U	28 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.3	1.3	0.83 J	0.51 J	0.56 J	1
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000					--	85	85	68	80	76	68
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	160000	170000	48000	170000	55000	48000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.5	0.45	0.75	0.52	< 0.12 U	1.3
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	2.6	3 J+	1.9	4.1	1.7	2.4 J+
Iron, Dissolved	7439-89-6	ug/L	120000		120,000					--	17 J	< 17 U	< 17 U	28 J	< 17 U	68
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.072 J	< 0.06 U	0.14 J	0.13 J	< 0.06 U	0.077 J
Magnesium, Dissolved	7439-95-4	ug/L								--	68000	71000	5400	75000	6800	5700
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200		--	4.2	1.8 J	2.2 J	7.2	4.3	3.1
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	3	3.1 J-	1.7 J	3.3	1.9	1.9 J-
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	3.4	3.8	1	4	1	1.2
Potassium, Dissolved	7440-09-7	ug/L								--	5400	5500	2800	5600	2800	3000
Potassium, Dissolved	9/7/7440	ug/L								--						
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.3 J	< 0.58 U	1.4 J	1.2 J	1 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	67000	70000	28000	70000	24000	34000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2					--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	2.5	2.6	1.6	2.8	1	1.6
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 U	4.1 J	< 2.8 U	< 2.8 U
<b>Metals, Total</b>																
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	8600	9800	3000	8400	33000	82000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ	0.4 J	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	4.1	4.5	2.8	3.1	13	16
Barium, Total	7440-39-3	ug/L	2000	2000	33,000					--	180	180	290	150	540	810
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	0.53	0.53	1.9	0.41	2	4.5
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.13	0.1	0.18	0.096 J	0.11 J	0.32
Calcium, Total	7440-70-2	ug/L								--	190000	190000	77000	190000	87000	84000
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	5.9	7.5	< 1 U	6.3	18	44
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	3.6	3.4	7.6	3	14	31
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	9.6	9.5 B	15	10	62	74 B
Iron, Total	7439-89-6	ug/L	120000		120,000					--	7600	7400	1400	6500	35000	70000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	7.9	7	11	6.1	180	71
Magnesium, Total	7439-95-4	ug/L								--	73000	77000	8300	77000	17000	23000
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200		--	360	310	700	270	740	1400

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	0.17 J
Molybdenum, Total	7439-98-7	ug/L	830		830					--	3.1 J-	3.6 J-	0.68 J	3.7	2.8 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	9.8	9.9	5.2	9	20	40
Potassium, Total	7440-09-7	ug/L								--	8100	9000	3900	8300	9300	16000
Potassium, Total	9/7/7440	ug/L								--						
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	2.9 J+	1.2 J	2.8	0.98 J	4.2 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	1.3	0.42 J
Sodium, Total	7440-23-5	ug/L								--	67000	72000	30000	69000	26000	36000
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	0.16 J	0.17 J	< 0.1 U	0.19 J	0.4	0.81
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	17	20	12	19	50	110
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	29 J-	28	29	26	160 J-	220
<b>General</b>																
Alkalinity	STL00171	mg/L								--	210	220	92	210	88	83
pH	STL00204	SU								--	8.26 J	8.38 J	8.23 J	8.3 J	8.08 J	8.22 J
Total Dissolved Solids	STL00242	mg/L								--	1000	1100	310	1100	140	390
Total Hardness	STL00009	mg/L								--	780	800	230	780	290	300
Total Suspended Solids	STL00161	mg/L								--	620	430	2700	360	2000	4000

**Bold - Bolded results identify a detected value.**

**Highlighted, detected analyte that exceeds the minimum of the screening Level**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RBC Recreational Visitor			Location	SJ4C	SJ4C	SJ4C	SJBB	SJBB	SJBB
										Sample ID	SJ4C-081115-11	SJ4C-081115-12	SJ4C-081215-11	SJBB-080915-11	SJBB-081015-11	SJBB-081115-11
										Date	8/11/2015	8/11/2015	8/12/2015	8/9/2015	8/10/2015	8/11/2015
										Time	9:52	9:52	14:35	18:25	12:40	11:30
										Latitude	36.99622	36.99622	36.99622	37.25737	37.25737	37.25737
										Longitude	-109.00468	-109.00468	-109.00468	-109.61859	-109.61859	-109.61859
<b>Metals, Dissolved</b>																
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000	--	25 J	< 24 U	840	< 24 U	200	1600	
Antimony, Dissolved	7440-36-0	ug/L	6	6	67				--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	1.2	0.92 J	1	1.1	0.8 J	1.2	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000				--	65	60	85	74	77	70	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	
Calcium, Dissolved	7440-70-2	ug/L							--	46000	43000	56000	57000	57000	46000	
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	2.5	0.27 J	0.45	0.13 J	0.42	0.87	
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	2.5	2.4	3.6	2.3	2.5 J+	3.2	
Iron, Dissolved	7439-89-6	ug/L	120000		120,000				--	< 17 U	< 17 U	490	< 17 U	88	840	
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	0.094 J	< 0.06 U	0.79	< 0.06 U	0.29 J	0.67	
Magnesium, Dissolved	7439-95-4	ug/L							--	4900	4700	7400	8000	7900	5600	
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200	--	4.6	< 1.2 U	24	< 1.2 U	2.8	13	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	
Molybdenum, Dissolved	7439-98-7	ug/L	830		830				--	2	1.9 J	1.5	2.1	2.1 J-	1.9	
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	1.3	1.2	1.8	1.2	1.1	1.4	
Potassium, Dissolved	7440-09-7	ug/L							--	3300	3100	3100	3400	3100	3400	
Potassium, Dissolved	9/7/7440	ug/L							--							
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	0.78 J	1.7 J	< 0.58 U	0.86 J	< 0.58 U	1.3 J	
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9			--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	
Sodium, Dissolved	7440-23-5	ug/L							--	40000	38000	26000	31000	27000	37000	
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	2	1.5	4.3	2.8	1.7	3.7	
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	< 2.8 U	< 2.8 U	4.6 J	< 2.8 U	< 2.8 U	4.9 J	
<b>Metals, Total</b>																
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000	--	120000	110000	24000	53000	42000	110000	
Antimony, Total	7440-36-0	ug/L	6	6	67				--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U	
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	24	23	4.2	9.2	13	21	
Barium, Total	7440-39-3	ug/L	2000	2000	33,000				--	1200	1100	260	720	610	1000	
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	7.4	7.1	1.1	3.1	2.4	6.3	
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	0.31	0.35	0.11	0.12 J	0.27	0.33	
Calcium, Total	7440-70-2	ug/L							--	100000	99000	83000	130000	100000	99000	
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	55	53	13	27	25	50	
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	48	46	7.6	22	18	42	
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	120	110	17	51	56 B	100	
Iron, Total	7439-89-6	ug/L	120000		120,000				--	91000	86000	16000	43000	39000	85000	
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	89	84	15	40	120	82	
Magnesium, Total	7439-95-4	ug/L							--	28000	27000	15000	26000	21000	27000	
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200	--	2000	2000	360	1200	950	1800	

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.15 J	0.16 J	< 0.08 U	< 0.08 U	< 0.08 U	0.12 J
Molybdenum, Total	7439-98-7	ug/L	830		830					--	0.99 J	0.96 J	1.6	1.5 J-	2.3 J-	1
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	55	52	12	32	26	49
Potassium, Total	7440-09-7	ug/L								--	19000	18000	8400	13000	11000	17000
Potassium, Total	9/7/7440	ug/L								--						
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	5.2	4.2	1 J	< 0.58 U	3.9 J+	3.8
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.55 J	0.52 J	< 0.1 U	0.2 J	0.86 J	0.51 J
Sodium, Total	7440-23-5	ug/L								--	43000	41000	28000	35000	29000	40000
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	1.2	1.1	0.23	0.57	0.48	1
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	130	130	35	68	63	120
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	270	250	50	150 J-	160	250
<b>General</b>																
Alkalinity	STL00171	mg/L								--	97	96	110	110	94	97
pH	STL00204	SU								--	8.2 J	8.19 J	8.17 J	8.1 J	8.2 J	8.23 J
Total Dissolved Solids	STL00242	mg/L								--	140	350	300	310	380	330
Total Hardness	STL00009	mg/L								--	380	360	270	430	340	360
Total Suspended Solids	STL00161	mg/L								--	6700	5200	1200	430	2300	5100

**Bold - Bolded results identify a detected value.**

**Highlighted, detected analyte that exceeds the minimum of the screening Level**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RBC Recreational Visitor		Latitude	Location	SJBB	SJCH	SJCH	SJDS	SJDS	SJDS
										Sample ID	SJBB-081215-11	SJCH-081415-11	SJCH-081415-12	SJDS-080915-11	SJDS-081015-11	SJDS-081115-11
										Date	8/12/2015	8/14/2015	8/14/2015	8/9/2015	8/10/2015	8/11/2015
										Time	11:45	6:00	6:00	13:15	13:25	11:40
										Latitude	37.25737			36.89331	36.89331	36.89331
Longitude	-109.61859			-108.87864	-108.87864	-108.87864										
Metals, Dissolved																
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	< 24 U	1000 J	440 J	1400	29 J	69 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 1 U	< 1 U	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.72 J	2.2	1.8 J	0.81 J	0.51 J	0.97 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000					--	68	120	110	80	64	71
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.5 U	< 0.5 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.5 U	< 0.5 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	52000	46000	47000	54000	47000	53000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.13 J	< 1 U	< 1 U	0.54	0.33 J	2.1
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	3.4	3.2 J	3.1 J	3.5	2.4 J+	2.5
Iron, Dissolved	7439-89-6	ug/L	120000		120,000					--	< 17 U	510 J	210 J	1000	< 17 U	34 J
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.06 U	< 1 U	< 1 U	3.5	0.06 J	0.086 J
Magnesium, Dissolved	7439-95-4	ug/L								--	7000	6800	6900	6800	5500	7000
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200		--	1.2 J	11	4.5	32	1.7 J	5
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.1 U	< 0.1 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.9 J	3 J	2.8 J	1.7	1.8 J-	2 J
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	1.7	1.3 J	< 1 U	1.5	1.2	1.3
Potassium, Dissolved	7440-09-7	ug/L								--	3300	3400	3400	2800	3000	3100
Potassium, Dissolved	9/7/7440	ug/L								--						
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.82 J	< 1 U	< 1 U	< 0.58 U	< 0.58 U	0.97 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	36000	40000	41000	24000	34000	36000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2					--	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	2.2	5	4.1	2.8	1.5	1.8
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	< 2.8 U	< 5 U	< 5 U	7 J	< 2.8 U	< 2.8 U
Metals, Total																
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	110000	67000	65000	31000	79000	64000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 1 UJ	< 1 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	21	21	21	9.4	15	12
Barium, Total	7440-39-3	ug/L	2000	2000	33,000					--	890	1800	2000	490	810	620
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	5.6	5.4	5.6	1.8	4.5	3.6
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.6	0.89 J	0.99 J	0.12 J	0.31	0.29
Calcium, Total	7440-70-2	ug/L								--	100000	290000	270000	72000	81000	81000
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	52	35 J-	33 J-	18	39	32
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	37	31 J-	34 J-	13	29	24
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	86	71 J-	75 J-	44	74 B	59
Iron, Total	7439-89-6	ug/L	120000		120,000					--	85000	48000	46000	31000	67000	53000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	78	81	91	96	69	58
Magnesium, Total	7439-95-4	ug/L								--	29000	47000	46000	14000	22000	21000
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200		--	1700	2000	2400	700	1300	1000

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	0.25	0.21	< 0.08 U	0.1 J	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.7 J	2.1 J-	1.2 J-	1.7 J-	1.2 J-	1.2 J
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	45	50 J-	53 J-	17	38	30
Potassium, Total	7440-09-7	ug/L								--	18000	14000 J+	13000 J+	8100	15000	13000
Potassium, Total	9/7/7440	ug/L								--						
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	3.8	3.3 J-	2.6 J-	1.1 J	3.3 J+	3.4
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.42 J	< 1 U	< 1 U	0.67 J	0.44 J	0.32 J
Sodium, Total	7440-23-5	ug/L								--	39000	45000	41000	26000	38000	39000
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	1	< 1 UJ	< 1 UJ	0.35	0.74	0.63
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	140	91 J-	85 J-	43	98	82
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	210	230 J-	240 J-	130 J-	210	160
<b>General</b>																
Alkalinity	STL00171	mg/L								--	100	190	190	92	93	100
pH	STL00204	SU								--	8.21 J	8.12 J	8.14 J	8.07 J	8.17 J	8.28 J
Total Dissolved Solids	STL00242	mg/L								--	300	350	340	160	340	340
Total Hardness	STL00009	mg/L								--	380	920	860	240	290	290
Total Suspended Solids	STL00161	mg/L								--	3800	15000 J	9100 J	2100	4300	2600

**Bold - Bolded results identify a detected value.**

**Highlighted, detected analyte that exceeds the minimum of the screening Level**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg



Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL			RBC Recreational Visitor			Location	SJDS	SJFP	SJFP	SJFP	SJFP	SJFP
											Sample ID	SJDS-081215-11	SJFP-080815-11	SJFP-080915-11	SJFP-081015-11	SJFP-081115-11	SJFP-081215-11
											Date	8/12/2015	8/8/2015	8/9/2015	8/10/2015	8/11/2015	8/12/2015
											Time	11:50	18:40	10:15	10:35	13:45	9:45
											Latitude	36.89331	36.74816	36.74816	36.74816	36.74816	36.74816
Longitude	-108.87864	-108.41202	-108.41202	-108.41202	-108.41202	-108.41202	-108.41202										
Metals, Dissolved																	
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	24 J	< 200 U	< 24 U	< 24 U	< 24 U	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 1 UJ	< 0.4 U	1.3 J-	< 0.4 U	< 0.4 U	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.52 J	< 1 U	0.41 J	0.7 J	0.56 J	< 0.37 U	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000					--	73	66	68	68	74	73	73
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.4 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	56000	50000	50000	50000	56000	58000	58000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	2.7	0.13 J	0.12 J	0.24 J	1.4	1.7	1.7
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	2.2	1.5	1.5	1.5 J+	1.8	1.5	1.5
Iron, Dissolved	7439-89-6	ug/L	120000		120,000					--	< 17 U	< 50 U	< 17 U	< 17 U	< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.063 J	< 0.3 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L								--	7100	6400	6500	6700	7400	8300	8300
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200		--	6.1	4.6	4.1	7.3	18	5.3	5.3
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.7 J	1.7	1.5	1.3 J-	1.3	1.3	1.3
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	1.4	1.2	1.2	1	1.1	1.4	1.4
Potassium, Dissolved	7440-09-7	ug/L								--	2800		2300	2300	2400	2300	2300
Potassium, Dissolved	9/7/7440	ug/L								--		2400					
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	< 2 U	< 0.58 U	< 0.58 U	< 0.58 U	< 0.58 U	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	29000	20000	20000	19000	20000	22000	22000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2					--	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1.6	< 1 U	0.81 J	0.99 J	1	0.97 J	0.97 J
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	< 2.8 U	< 20 UJ	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total																	
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	51000	22000	25000	10000	9200	5400 J	5400 J
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	0.59 J-	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	9.2	11	5.1	4.3	3	1.7	1.7
Barium, Total	7440-39-3	ug/L	2000	2000	33,000					--	440	260	340	170	270	120	120
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	2.9	0.97	1.4	0.6	0.57	0.29 J	0.29 J
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.27	0.39	< 0.086 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Total	7440-70-2	ug/L								--	79000	60000	64000	56000	61000	60000	60000
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	25	9.9	17	8	5.6	3.8	3.8
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	18	6.1	10	3.9	4.4	2 J	2 J
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	42	46	32	13 B	12	6.5 J	6.5 J
Iron, Total	7439-89-6	ug/L	120000		120,000					--	39000	25000	22000	8700	8300	4400	4400
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	38	200	47	18	16	7.5	7.5
Magnesium, Total	7439-95-4	ug/L								--	17000	10000	13000	9000	9400	9300	9300
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200		--	810	380	500	210	270	120	120

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.5 J	3.2	1.4 J-	1.5 J-	1.4	1.4
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	20	8.9	15	6.2	6.2	3
Potassium, Total	7440-09-7	ug/L								--	10000		7300	4400	4500	3400
Potassium, Total	9/7/7440	ug/L								--		7000				
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	2.5	0.98 J	0.92 J	2.3 J+	1 J	1.2 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.18 J	1.4	0.31 J	0.13 J	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	30000	22000	22000	19000	20000	22000
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	0.47	0.23	0.26	0.12 J	0.11 J	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	69 F1	27	31	16	15	10 J
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	110 F1	130 J-	94 J-	38	42	20
<b>General</b>																
Alkalinity	STL00171	mg/L								--	98	84	93	98	92	99
pH	STL00204	SU								--	8.19 J	8.06 HF	8.03 J	8.19 J	8.27 J	8.18 J
Total Dissolved Solids	STL00242	mg/L								--	300	290	240	270	300	270
Total Hardness	STL00009	mg/L								--	270	190	210	180	190	190
Total Suspended Solids	STL00161	mg/L								--	2000	680	1100	840	640	160

**Bold - Bolded results identify a detected value.**

**Highlighted, detected analyte that exceeds the minimum of the screening Level**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RBC Recreational Visitor	Location	Sample ID	SJFP	SJHB	SJHB	SJHB	SJHB	SJHB
Metals, Dissolved															
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000	--	< 24 U	< 200 U	< 200 U	330	< 24 U	< 24 U
Antimony, Dissolved	7440-36-0	ug/L	6	6	67				--	< 0.4 U	< 1 UJ	< 1 UJ	< 0.4 U	< 0.4 UJ	< 0.4 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.61 J	0.56 J	< 1 U	0.39 J	0.67 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000				--	74	68	67	70	69	67
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.4 U	< 0.4 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.1 U	< 0.1 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L							--	59000	56000	54000	52000	51000	50000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	< 1 U	< 2 U	< 2 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	1.8 J	0.96	< 0.4 U	0.2 J	0.35 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	1.6	1.2	1.7	1.8	2.1 J+
Iron, Dissolved	7439-89-6	ug/L	120000		120,000				--	< 17 U	< 50 U	< 50 U	220	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.06 U	0.093 J	< 0.3 U	0.36	< 0.06 U
Magnesium, Dissolved	7439-95-4	ug/L							--	8400	7300	6900	6800	6800	6700
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200	--	5.2	3.3	1.2 J	6.1	2.7	2.1 J
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.2 U	< 0.2 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830				--	1.4 J	1.5	1.8	1.5 J	1.3 J-	1.3 J-
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	1.2	1	1.1	1.1	0.98 J
Potassium, Dissolved	7440-09-7	ug/L							--	2400			2500	2300	2300
Potassium, Dissolved	9/7/7440	ug/L							--		2500	2500			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.65 J	< 2 U	< 2 U	0.7 J	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9			--	< 0.1 U	< 1 U	< 1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L							--	22000	23000	22000	22000	19000	18000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2				--	< 0.1 U	< 0.2 U	< 0.2 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1	1.3	0.34 J	1.3	0.96 J
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	< 2.8 U	< 20 UJ	< 20 UJ	< 2.8 U	< 2.8 U
Metals, Total															
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000	--	1500 J	21000	30000	35000	13000	13000
Antimony, Total	7440-36-0	ug/L	6	6	67				--	< 0.4 UJ	< 1 UJ	0.51 J-	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	< 0.37 U	3.7	14	6.2	3.8
Barium, Total	7440-39-3	ug/L	2000	2000	33,000				--	110	330	570	520	260	240
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	0.21 J	0.93	1.8	2.4	0.89
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U L	0.2	0.51	< 0.086 U	0.056 J
Calcium, Total	7440-70-2	ug/L							--	61000	68000	77000	81000	60000	57000
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	1.3 J	11	16	22	9.7
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	1.1 J	7.4	13	17	6.2
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	4.5 J	17	61	42	16 B
Iron, Total	7439-89-6	ug/L	120000		120,000				--	1000	16000	36000	31000	11000	11000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	3.5	15	250	57	22
Magnesium, Total	7439-95-4	ug/L							--	8800	12000	13000	16000	9600	9500
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200	--	110	390	940	990	400 J	290 J

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.2 U	< 0.2 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1 J	1.5	3	1.1 J-	1.5 J-	1.5 J-
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	2	10	16	22	8.5	8.1
Potassium, Total	7440-09-7	ug/L								--	2600			9200	5000	5100
Potassium, Total	9/7/7440	ug/L								--		6600	8700			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	2.6	0.74 J	1.5 J	< 0.58 U	2.3 J+	2 J+
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 1 U	1.6	0.38 J	0.14 J	0.15 J
Sodium, Total	7440-23-5	ug/L								--	23000	25000	23000	24000	19000	19000
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	< 0.1 U	0.18 J	0.35	0.38	0.15 J	0.15 J
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	3.4 J	25	41	42	21	20
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	12 J	57 J-	170 J-	130 J-	55	51
<b>General</b>																
Alkalinity	STL00171	mg/L								--	98	110	82	94	90	90
pH	STL00204	SU								--	8.19 J	8.18 HF	7.99 HF	8.12 J	8.15 J	8.16 J
Total Dissolved Solids	STL00242	mg/L								--	280	290	290	310	260	260
Total Hardness	STL00009	mg/L								--	190	220	250	270	190	180
Total Suspended Solids	STL00161	mg/L								--	160	1700	2900	2200	880	1000

**Bold - Bolded results identify a detected value.**

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mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RBC Recreational Visitor			Location	SJHB	SJHB	SJLP	SJLP	SJLP	SJLP
										Sample ID	SJHB-081115-11	SJHB-081215-11	SJLP-080815-11	SJLP-080915-11	SJLP-081015-11	SJLP-081115-11
										Date	8/11/2015	8/12/2015	8/8/2015	8/9/2015	8/10/2015	8/11/2015
										Time	13:05	15:30	15:32	9:54	9:40	14:25
										Latitude	36.74519	36.74519	36.73589	36.73589	36.73589	36.73589
										Longitude	-108.53776	-108.53776	-108.25399	-108.25399	-108.25399	-108.25399
Metals, Dissolved																
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	1800	1100	< 200 U	< 24 U	< 24 U	32 J
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	0.4 J	< 0.4 U	< 1 UJ	< 0.4 U	< 0.4 UJ	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	1.9	0.63 J	< 1 U	0.42 J	0.56 J	0.96 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000					--	160	86	61	72	70	67
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.4 U	< 0.15 U	< 0.15 U	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.1 U	< 0.043 U	< 0.043 U	< 0.043 U
Calcium, Dissolved	7440-70-2	ug/L								--	40000	61000	47000	51000	50000	50000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	1.2 J	< 1 U	< 2 U	< 1 U	< 1 U	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	1.4	0.55	0.12 J	< 0.12 U	0.52	2
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	3.4	5.7	1.5	1.7	1.3 J+	2.3
Iron, Dissolved	7439-89-6	ug/L	120000		120,000					--	840	710	18 J	< 17 U	< 17 U	< 17 U
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.56	1.1	0.094 J	< 0.06 U	< 0.06 U	0.064 J
Magnesium, Dissolved	7439-95-4	ug/L								--	6800	8700	6100	6600	6500	6600
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200		--	16	27	5.8	5.1	9.7	3.6
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	2.6 J	1.4	1.6	1.4	1.3 J-	2 J
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	1.8	2.2	1.1	1.2	1.1	1.4
Potassium, Dissolved	7440-09-7	ug/L								--	4200	2700		2400	2300	3100
Potassium, Dissolved	9/7/7440	ug/L								--			2400			
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	< 0.58 U	< 2 U	0.87 J	< 0.58 U	0.85 J
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 1 U	< 0.1 U	< 0.1 U	< 0.1 U
Sodium, Dissolved	7440-23-5	ug/L								--	52000	27000	19000	19000	17000	35000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2					--	< 0.1 U	< 0.1 U	< 0.2 U	< 0.1 U	< 0.1 U	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	11	2.9	0.35 J	0.84 J	0.92 J	1.9
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	< 2.8 U	6.9 J	< 20 UJ	< 2.8 U	< 2.8 U	< 2.8 U
Metals, Total																
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	270000	27000	28000	25000	12000	97000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 1 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	26	4.6	11	6.3	3.6	19
Barium, Total	7440-39-3	ug/L	2000	2000	33,000					--	2600 J	330	490	520	260	890
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	12	1.4	1.4	1.8	0.7	5.5
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.45	0.056 J	0.35	0.19	0.14	0.23
Calcium, Total	7440-70-2	ug/L								--	280000	71000	64000	72000	56000	98000
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	150	16	14	16	8.3	47
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	73	9.4	9.9	13	5.2	36
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	110	24	42	33	15 B	85
Iron, Total	7439-89-6	ug/L	120000		120,000					--	140000	22000	29000	24000	11000	75000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	130	22	150	48	21	76
Magnesium, Total	7439-95-4	ug/L								--	94000	14000	12000	13000	9300	28000
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200		--	3400	440	570	830	270	1600

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	0.2	< 0.08 U	< 0.2 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	2 J	1.7	2.4	1.3 J-	1.4 J-	1.4 J
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	140	12	13	17	7.7	43
Potassium, Total	7440-09-7	ug/L								--	73000	6500		7600	4900	18000
Potassium, Total	9/7/7440	ug/L								--			8100			
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	6	2.3	0.74 J	< 0.58 U	< 0.58 U	3.9
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.63 J	0.15 J	0.96 J	0.3 J	0.13 J	0.44 J
Sodium, Total	7440-23-5	ug/L								--	65000	27000	21000	20000	18000	39000
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	1.8	0.24	0.3	0.28	0.14 J	0.95
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	230	38	34	34	19	120
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	340	67	130 J-	110 J-	50	230
<b>General</b>																
Alkalinity	STL00171	mg/L								--	110	100	86	92	88	110
pH	STL00204	SU								--	8.3 J	8.19 J	8.05 HF	8.1 J	8.18 J	8.28 J
Total Dissolved Solids	STL00242	mg/L								--	350	280	250	280	260	330
Total Hardness	STL00009	mg/L								--	1100	240	210	230	180	360
Total Suspended Solids	STL00161	mg/L								--	6300	960	1300	1600	1400	3700

**Bold - Bolded results identify a detected value.**

**Highlighted, detected analyte that exceeds the minimum of the screening Level**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL		RBC Recreational Visitor				Location	SJLP	SJMC	SJMC	SJMC	SJMC	SJMC
											Sample ID	SJLP-081215-11	SJMC-080915-11	SJMC-081015-11	SJMC-081015-12	SJMC-081115-11	SJMC-081215-11
											Date	8/12/2015	8/9/2015	8/10/2015	8/10/2015	8/11/2015	8/12/2015
											Time	9:03	17:50	13:35	13:40	12:20	12:30
											Latitude	36.73589	37.25823	37.25823	37.25823	37.25823	37.25823
											Longitude	-108.25399	-109.31060	-109.31060	-109.31060	-109.31060	-109.31060
<b>Metals, Dissolved</b>																	
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	< 24 U	28 J	< 24 UJ	2300 J	< 24 U	< 24 UJ	
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 U	
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.51 J	0.86 J	0.88 J	1.2	1.3	0.49 J	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000					--	74	77	73	94	86	70	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	
Calcium, Dissolved	7440-70-2	ug/L								--	56000	57000	54000	58000	180000	55000	
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U	2	< 1 U	< 1 U	
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	2	0.13 J	0.12 J	0.92	1.4	0.18 J	
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	1.6	2	2.5 J+	4.8 J+	2.5	3.2	
Iron, Dissolved	7439-89-6	ug/L	120000		120,000					--	< 17 U	< 17 U	< 17 UJ	1800 J	< 17 U	< 17 UJ	
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	< 0.06 U	< 0.06 U	< 0.06 UJ	2.8	< 0.06 U	0.064 J	
Magnesium, Dissolved	7439-95-4	ug/L								--	7400	8200	7400	8400	75000	7400	
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200		--	6.2	1.2 J	< 1.2 UJ	36	3.7	< 1.2 UJ	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.4	2.1	2 J-	2.2 J-	3.4	1.8	
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	1.1	1.5	1.2	2.4	3.7	1.7	
Potassium, Dissolved	7440-09-7	ug/L								--	2400	3000	2900	3500	6000	3200	
Potassium, Dissolved	9/7/7440	ug/L								--							
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	0.9 J	< 0.58 U	< 0.58 U	2	< 0.58 U	
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	
Sodium, Dissolved	7440-23-5	ug/L								--	23000	30000	30000	33000	75000	32000	
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2					--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	0.89 J	2.6	1.8 J	6	2.3	2	
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	< 2.8 U	< 2.8 U	< 2.8 UJ	8.1 J	< 2.8 U	< 2.8 U	
<b>Metals, Total</b>																	
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	27000	46000	69000	59000	10000	80000	
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ	
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	3.9	8.9	14	13	4.9	15	
Barium, Total	7440-39-3	ug/L	2000	2000	33,000					--	280	600	730	700	180	650	
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	1.5	2.6	3.6	3.6	0.59	4.4	
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.086 U	0.26	0.34	0.22	0.5	
Calcium, Total	7440-70-2	ug/L								--	65000	97000	97000	100000	210000	130000	
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	16	25	37	33	8	37	
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	8.7	19	25	24	3.9	26	
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	22	44	64 B	64 B	11	62	
Iron, Total	7439-89-6	ug/L	120000		120,000					--	22000	38000	58000	51000	8400	60000	
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	20	33	76	77	7.6	59	
Magnesium, Total	7439-95-4	ug/L								--	13000	21000	24000	23000	79000	25000	
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200		--	360	940	1200	1200	310	1100	



Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.6	1.5 J-	2.1 J-	1.6 J-	4.5	2.1
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	11	26	35	33	13	36
Potassium, Total	7440-09-7	ug/L								--	6200	11000	14000	12000	9400	17000
Potassium, Total	9/7/7440	ug/L								--						
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	1.5 J	0.84 J	4.5 J+	3.3 J+	3.3	4
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.11 J	0.19 J	0.49 J	0.52 J	< 0.1 U	0.3 J
Sodium, Total	7440-23-5	ug/L								--	24000	32000	32000	34000	75000	35000
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	0.22	0.49	0.68	0.64	0.26	0.87
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	36	60	92	80	24	99
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	60	130 J-	190	180	36	180
<b>General</b>																
Alkalinity	STL00171	mg/L								--	95	100	97	98	210	95
pH	STL00204	SU								--	8.22 J	8.14 J	8.22 J	8.22 J	8.32 J	8.21 J
Total Dissolved Solids	STL00242	mg/L								--	270	160	360	350	1100	310
Total Hardness	STL00009	mg/L								--	220	330	340	340	840	420
Total Suspended Solids	STL00161	mg/L								--	840	3300	3200	2800	550	3300

**Bold - Bolded results identify a detected value.**

**Highlighted, detected analyte that exceeds the minimum of the screening Level**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL			RBC Recreational Visitor	Location	SJMC	SJME	SJME	SJME	SJME	SJME	
									Sample ID	SJMC-081215-12	SJME-080915-11	SJME-080915-12	SJME-081015-11	SJME-081115-11	SJME-081115-12	
									Date	8/12/2015	8/9/2015	8/9/2015	8/10/2015	8/11/2015	8/11/2015	
									Time	12:35	16:35	16:35	14:40	13:30	13:35	
									Latitude	37.25823	37.21681	37.21681	37.21681	37.21681	37.21681	
									Longitude	-109.31060	-109.19615	-109.19615	-109.19615	-109.19615	-109.19615	
Metals, Dissolved																
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000	--	560 J	3200 J	5700 J	2200	< 24 UJ	9300 J	
Antimony, Dissolved	7440-36-0	ug/L	6	6	67				--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	0.48 J	1.1	1	1.3	0.72 J	3.1 J	
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000				--	75	97	120	92	80 J	270 J	
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	< 0.15 U	< 0.15 U	0.26 J	< 0.15 U	< 0.15 U	0.61 J	
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	0.047 J	0.051 J	
Calcium, Dissolved	7440-70-2	ug/L							--	56000	59000	61000	53000	59000	65000	
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	< 1 U	2.5	5	1.9 J	< 1 U	6.1 J	
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	0.32 J	0.87	1.6	0.83	1.3 J	4.7 J	
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	3.9	3.9	5.1	4.5 J+	1.5 J	12 J	
Iron, Dissolved	7439-89-6	ug/L	120000		120,000				--	310 J	2000 J	3500 J	1600	< 17 UJ	8700 J	
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	0.46 J	1.5	2.9	2.1	< 0.06 UJ	17 J	
Magnesium, Dissolved	7439-95-4	ug/L							--	7600	7800	8500	6700	7900	10000 J	
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200	--	9.2 J	34	67	31	10 J	320 J	
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	
Molybdenum, Dissolved	7439-98-7	ug/L	830		830				--	1.7	2.1 J	2 J	2.1 J-	1.4	1.4	
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	1.7	2.2	3.2	2.3	1.3 J	6.6 J	
Potassium, Dissolved	7440-09-7	ug/L							--	3300	3900	4500	3400	2400 J	4600 J	
Potassium, Dissolved	9/7/7440	ug/L							--							
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	< 0.58 U	0.98 J	0.84 J	< 0.58 U	0.77 J	0.97 J	
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9			--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	
Sodium, Dissolved	7440-23-5	ug/L							--	32000	31000	31000	32000	22000	21000	
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	0.11 J	
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	2.9	5.9	9.6	6.2	0.88 J	16 J	
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	3.8 J	7.1 J	12 J	7.1 J	< 2.8 UJ	42 J	
Metals, Total																
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000	--	77000	59000	58000	78000	5600 J	< 24 UJ	
Antimony, Total	7440-36-0	ug/L	6	6	67				--	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 U	
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	15	11	10	15	1.7	0.99 J	
Barium, Total	7440-39-3	ug/L	2000	2000	33,000				--	650	860	880	830	170 J	81 J	
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	4.4	3.7	3.7	4.4	0.31 J	< 0.15 UJ	
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	0.61	0.34	0.33	0.31	< 0.043 U	< 0.043 U	
Calcium, Total	7440-70-2	ug/L							--	120000	130000	130000	96000	62000	60000	
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	37	28	28	41	4.1	< 1 UJ	
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	27	23	24	30	2.3	0.29 J	
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	62	54	55	79 B	7.7 J	1.6 J	
Iron, Total	7439-89-6	ug/L	120000		120,000				--	59000	47000	46000	66000	4800 J	< 17 UJ	
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	59	46	46	78	10 J	< 0.06 UJ	
Magnesium, Total	7439-95-4	ug/L							--	25000	27000	27000	24000	9100	8200 J	
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200	--	1100	1200	1300	1400	130 J	3.4 J	

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	<b>0.096 J</b>	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	<b>1.9</b>	<b>1.7 J-</b>	<b>1.4 J-</b>	<b>1.6 J-</b>	<b>1.4</b>	<b>1.4</b>
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	<b>36</b>	<b>36</b>	<b>37</b>	<b>41</b>	<b>3.9 J</b>	<b>1.1 J</b>
Potassium, Total	7440-09-7	ug/L								--	<b>16000</b>	<b>15000</b>	<b>15000</b>	<b>15000</b>	<b>3600 J</b>	<b>2500 J</b>
Potassium, Total	9/7/7440	ug/L								--						
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	<b>3.7</b>	< 0.58 U	< 0.58 U	<b>3.6 J+</b>	<b>2.6</b>	<b>0.94 J</b>
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	<b>0.29 J</b>	<b>0.26 J</b>	<b>0.27 J</b>	<b>0.54 J</b>	< 0.1 U	< 0.1 U
Sodium, Total	7440-23-5	ug/L								--	<b>34000</b>	<b>32000</b>	<b>33000</b>	<b>35000</b>	<b>22000</b>	<b>21000</b>
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	<b>0.86</b>	<b>0.71</b>	<b>0.68</b>	<b>0.78</b>	< 0.1 U	< 0.1 U
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	<b>96</b>	<b>70</b>	<b>66</b>	<b>99</b>	<b>9.2</b>	<b>0.88 J</b>
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	<b>180</b>	<b>160 J-</b>	<b>160 J-</b>	<b>220</b>	<b>23 J</b>	< 2.8 UJ
<b>General</b>																
Alkalinity	STL00171	mg/L								--	<b>100</b>	<b>96</b>	<b>91</b>	<b>92</b>	<b>98</b>	<b>98</b>
pH	STL00204	SU								--	<b>8.23 J</b>	<b>8.01 J</b>	<b>8.08 J</b>	<b>8.2 J</b>	<b>8.27 J</b>	<b>8.25 J</b>
Total Dissolved Solids	STL00242	mg/L								--	<b>320</b>	<b>340</b>	<b>330</b>	<b>370</b>	<b>280</b>	<b>290</b>
Total Hardness	STL00009	mg/L								--	<b>410</b>	<b>430</b>	<b>440</b>	<b>340</b>	<b>190</b>	<b>180</b>
Total Suspended Solids	STL00161	mg/L								--	<b>2800</b>	<b>3000</b>	<b>2900</b>	<b>3200</b>	<b>180 J</b>	<b>660 J</b>

**Bold - Bolded results identify a detected value.**

**Highlighted, detected analyte that exceeds the minimum of the screening Level**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

Analyte	CAS.NO	Units	PCL		Drinking Water MCL				RBC Recreational Visitor	Location	SJME	SJMH	SJMH	SJMH	SJMH	SJSR
										Sample ID	SJME-081215-11	SJMH-080915-11	SJMH-081015-11	SJMH-081115-11	SJMH-081215-11	SJSR-080815-11
										Date	8/12/2015	8/9/2015	8/10/2015	8/11/2015	8/12/2015	8/8/2015
										Time	13:20	19:05	11:35	10:35	10:35	19:34
										Latitude	37.21681	37.14999	37.14999	37.14999	37.14999	36.78162
										Longitude	-109.19615	-109.86628	-109.86628	-109.86628	-109.86628	-108.69278
<b>Metals, Dissolved</b>																
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	< 24 U	< 24 U	31 J	24 J	< 24 U	610
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 U	< 0.4 UJ	< 0.4 U	0.68 J	< 1 UJ
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.62 J	2	1.6	0.88 J	0.92 J	0.84 J
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000					--	72	130	150	65	93	68
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.4 U
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.1 U
Calcium, Dissolved	7440-70-2	ug/L								--	55000	56000	51000	46000	63000	50000
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.17 J	0.31 J	1.7	2.6	0.63	0.29 J
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	5.1	2.8	2.6 J+	2.4	4.3	2.1
Iron, Dissolved	7439-89-6	ug/L	120000		120,000					--	< 17 U	< 17 U	< 17 U	< 17 U	< 17 U	360
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	0.079 J	< 0.06 U	< 0.06 U	0.084 J	0.083 J	0.51
Magnesium, Dissolved	7439-95-4	ug/L								--	6300	8500	8000	5300	7400	6400
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200		--	< 1.2 U	< 1.2 U	3.1	4.7	1.7 J	13
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.2 U
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.9	2.4 J	2.5 J-	2	2.1 J	1.6 J
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	1.8	1.4	1.5	1.3	1.8	1.4
Potassium, Dissolved	7440-09-7	ug/L								--	3300	4400	3900	3100	3300	
Potassium, Dissolved	9/7/7440	ug/L								--						2600
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	0.92 J	< 0.58 U	1.6 J	0.84 J	< 2 U
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 1 U
Sodium, Dissolved	7440-23-5	ug/L								--	35000	44000	43000	37000	37000	25000
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2					--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.2 U
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	1.6	7.9	7.3	1.8	3.2	2
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	3.3 J	< 2.8 U	< 2.8 U	< 2.8 U	3 J	5.1 J-
<b>Metals, Total</b>																
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	73000	180000	210000	110000	140000	42000
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 1 UJ
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	17	21	22	22	25	7.2
Barium, Total	7440-39-3	ug/L	2000	2000	33,000					--	630	2300	2200 J	1000	1200	640
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	4.2	8.1	10	6.4	7.7	2.3
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	0.67	< 0.22 U	0.62	0.29	0.9	0.19
Calcium, Total	7440-70-2	ug/L								--	140000	480000	360000	99000	190000	74000
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	39	70	110	51	74	22
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	28	55	59	42	49	17
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	60	87	94 B	100	100	36
Iron, Total	7439-89-6	ug/L	120000		120,000					--	60000	85000	110000	86000	100000	36000
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	58	85	90	82	94	32
Magnesium, Total	7439-95-4	ug/L								--	24000	95000	83000	28000	49000	16000
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200		--	1100	3400	3500	1800	2300	810

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	0.12 J	0.11 J	< 0.08 U	< 0.2 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	2.8	1.7 J-	2.4 J-	1	1.9 J	1.2 J
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	42	110	120	50	69	22
Potassium, Total	7440-09-7	ug/L								--	16000	46000	58000	18000	28000	
Potassium, Total	9/7/7440	ug/L								--						9500
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	3.4	5.2 J	4.9 J+	4.5	4.6	1.3 J
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.33 J	0.39 J	0.46 J	0.5 J	0.48 J	0.12 J
Sodium, Total	7440-23-5	ug/L								--	37000	58000	51000	41000	45000	28000
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	0.97	1.4	1.6	1	1.3	0.43
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	97	160	190	130	170	50
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	190	290 J-	290	250	270	100 J-
<b>General</b>																
Alkalinity	STL00171	mg/L								--	95	110	110	97	99	94
pH	STL00204	SU								--	8.18 J	8.12 J	8.17 J	8.24 J	8.12 J	8.1 HF
Total Dissolved Solids	STL00242	mg/L								--	340	260	370	350	390	290
Total Hardness	STL00009	mg/L								--	440	1600	1200	360	680	250
Total Suspended Solids	STL00161	mg/L								--	3000	8200	7400	4600	5700	2600

**Bold - Bolded results identify a detected value.**

**Highlighted, detected analyte that exceeds the minimum of the screening Level**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1  
Surfacewater Analytical Data - Region 9  
Upper Animas River

RBC Regional Visitor						Drinking Water MCL						Location	SJSR	SJSR	SJSR	SJSR							
												Sample ID	SJSR-080915-11	SJSR-081015-11	SJSR-081115-11	SJSR-081215-11							
												Date	8/9/2015	8/10/2015	8/11/2015	8/12/2015							
												Time	12:35	12:10	12:35	10:35							
												Latitude	36.78162	36.78162	36.78162	36.78162							
												Longitude	-108.69278	-108.69278	-108.69278	-108.69278							
Analyte																CAS.NO	Units	PCL					
Metals, Dissolved																							
Aluminum, Dissolved	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	1800	< 24 U	< 24 U	< 24 U	< 24 U								
Antimony, Dissolved	7440-36-0	ug/L	6	6	67					--	< 0.4 U	< 0.4 UJ	< 0.4 U	< 0.4 U	< 0.4 U								
Arsenic, Dissolved	7440-38-2	ug/L	10	10	50			100	200	--	0.8 J	0.86 J	0.94 J	0.6 J	0.6 J								
Barium, Dissolved	7440-39-3	ug/L	2000	2000	33,000					--	81	66	73	72	72								
Beryllium, Dissolved	7440-41-7	ug/L	4	4	330	340	150	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U								
Cadmium, Dissolved	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U								
Calcium, Dissolved	7440-70-2	ug/L								--	51000	48000	52000	60000	60000								
Chromium, Dissolved	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	1.2 J	< 1 U	< 1 U	< 1 U	< 1 U								
Cobalt, Dissolved	7440-48-4	ug/L	50		50			50	1000	--	0.67	1.5	1.9	2.5	2.5								
Copper, Dissolved	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	4	2 J+	1.7	2	2								
Iron, Dissolved	7439-89-6	ug/L	120000		120,000					--	1300	< 17 U	< 17 U	< 17 U	< 17 U								
Lead, Dissolved	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	2.7	< 0.06 U	< 0.06 U	< 0.06 U	< 0.06 U								
Magnesium, Dissolved	7439-95-4	ug/L								--	6500	5600	6500	8200	8200								
Manganese, Dissolved	7439-96-5	ug/L	200		7,800	3710	2050	200		--	32	2.9	4	4.6	4.6								
Mercury, Dissolved	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U	< 0.08 U								
Molybdenum, Dissolved	7439-98-7	ug/L	830		830					--	1.5 J	1.7 J-	1.6 J	1.6	1.6								
Nickel, Dissolved	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	1.8	1.2	1.2	1.4	1.4								
Potassium, Dissolved	7440-09-7	ug/L								--	2900	2900	2800	3100	3100								
Potassium, Dissolved	9/7/7440	ug/L								--													
Selenium, Dissolved	7782-49-2	ug/L	5	50	830	20	5	130	250	--	< 0.58 U	< 0.58 U	0.75 J	< 0.58 U	< 0.58 U								
Silver, Dissolved	7440-22-4	ug/L	9.9			9.9				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U								
Sodium, Dissolved	7440-23-5	ug/L								--	26000	30000	26000	30000	30000								
Thallium, Dissolved	7440-28-0	ug/L	1.7	2	2					--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U								
Vanadium, Dissolved	7440-62-2	ug/L	100		830			100	100	--	3.4	1.5	1.3	1.4	1.4								
Zinc, Dissolved	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	6.7 J	< 2.8 U	< 2.8 U	< 2.8 U	< 2.8 U								
Metals, Total																							
Aluminum, Total	7429-90-5	ug/L	3348		170,000	8358	3348	5000		--	43000	81000	3100	37000	37000								
Antimony, Total	7440-36-0	ug/L	6	6	67					--	< 0.4 UJ	< 0.4 UJ	< 0.4 U	< 0.4 UJ	< 0.4 UJ								
Arsenic, Total	7440-38-2	ug/L	10	10	50			100	200	--	9.9	15	2.6	8.6	8.6								
Barium, Total	7440-39-3	ug/L	2000	2000	33,000					--	630	830	240	330	330								
Beryllium, Total	7440-41-7	ug/L	4	4	330	340	150	100	100	--	2.5	4.4	1.3	2	2								
Cadmium, Total	7440-43-9	ug/L	0.72	5	83	2.88	0.72	10	50	--	< 0.086 U	0.22	0.16	0.16	0.16								
Calcium, Total	7440-70-2	ug/L								--	74000	84000	68000	76000	76000								
Chromium, Total	7440-47-3	ug/L	100	100	220,000	972	126	100	1000	--	22	40	1 J	23	23								
Cobalt, Total	7440-48-4	ug/L	50		50			50	1000	--	18	30	5.6	14	14								
Copper, Total	7440-50-8	ug/L	16	1300	6,700	25	16	200	500	--	50	70 B	13	33	33								
Iron, Total	7439-89-6	ug/L	120000		120,000					--	40000	65000	1500	32000	32000								
Lead, Total	7439-92-1	ug/L	5	15	200	130	5	5000	100	--	70	62	9.9	31	31								
Magnesium, Total	7439-95-4	ug/L								--	16000	21000	8200	18000	18000								
Manganese, Total	7439-96-5	ug/L	200		7,800	3710	2050	200		--	860	1300	500	560	560								

Table 1  
 Surfacewater Analytical Data - Region 9  
 Upper Animas River

Mercury, Total	7439-97-6	ug/L	0.77	2	50	104	0.77		10	--	< 0.08 U	0.1 J	< 0.08 U	< 0.08 U
Molybdenum, Total	7439-98-7	ug/L	830		830					--	1.3 J-	1.4 J-	0.63 J	1.6
Nickel, Total	7440-02-0	ug/L	90		3,300	813	90	200	1000	--	22	36	4.2	19
Potassium, Total	7440-09-7	ug/L								--	9700	14000	3400	9000
Potassium, Total	9/7/7440	ug/L								--				
Selenium, Total	7782-49-2	ug/L	5	50	830	20	5	130	250	--	0.6 J	3.5 J+	0.6 J	2.6
Silver, Total	7440-22-4	ug/L	9.9			9.9				--	0.44 J	0.36 J	< 0.1 U	0.17 J
Sodium, Total	7440-23-5	ug/L								--	29000	33000	26000	31000
Thallium, Total	7440-28-0	ug/L	1.7	2	2					--	0.46	0.74	< 0.1 U	0.37
Vanadium, Total	7440-62-2	ug/L	100		830			100	100	--	57	100	9.8	54
Zinc, Total	7440-66-6	ug/L	219		50,000	290	219	2000	25000	--	150 J-	180	24	97
<b>General</b>														
Alkalinity	STL00171	mg/L								--	95	95	93	95
pH	STL00204	SU								--	8.11 J	8.19 J	8.2 J	8.11 J
Total Dissolved Solids	STL00242	mg/L								--	320	330	290	330
Total Hardness	STL00009	mg/L								--	250	300	200	260
Total Suspended Solids	STL00161	mg/L								--	1600	3300	1400	1300

**Bold - Bolded results identify a detected value.**

**Highlighted, detected analyte that exceeds the minimum of the screening Level**

\* - exceeds MCL

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg